

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	Larry A. Jacobson	§	
		§	
		§	
Serial No.:	Not Yet Assigned	§	Group Art Unit: Unknown
		§	
Filed:	Herewith	§	Examiner: Unknown
		§	
For:	Pulsed-Neutron Formation	§	Confirmation No.: Unknown
	Density	§	

**INFORMATION DISCLOSURE STATEMENT**

Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Att'y Docket No. 1391-44400  
Client Ref. No.: 2003-IP-010060  
Date: September 25, 2003

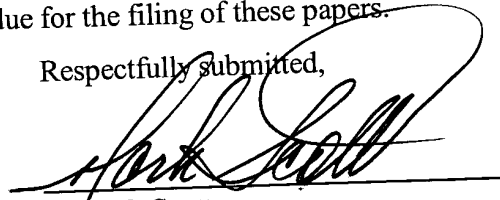
Sir:

This Information Disclosure Statement, including completed Form PTO-1449, comprises a list of pertinent art of which Applicants are aware. If this application was filed prior to June 30, 2003, a copy of each publication listed on Form PTO-1449 is enclosed herewith.

The submission of this Information Disclosure Statement and the references submitted therewith is not an admission that the art cited is "prior" with respect to the present invention, nor is it a representation, that no better art exists. Applicants hereby reserve the right to swear behind or otherwise disprove any alleged "prior" nature of any art cited should the facts support and the situation warrant such an action. It is submitted that the art cited does not constitute a bar to the patentability of Applicants' invention under 35 U.S.C. § 102 or § 103.

This Information Disclosure Statement is being filed concurrently with the above-referenced patent application, therefore, no fee is due for the filing of these papers.

Respectfully submitted,



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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	One	of	Two
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**Complete if Known**

Application Number	Not Yet Assigned
Filing Date	Herewith
First Named Inventor	Larry A. Jacobson
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	1391-44400

## U. S. PATENT DOCUMENTS

[illegible]

**FOREIGN PATENT DOCUMENTS**

[illegible]

Examiner  
Signature

Date	
Considered	

Examiner Signature	Considered	Not Considered
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	Unknown		
		Filing Date	Herewith		
		First Named Inventor	Larry A. Jacobson		
		Art Unit	Unknown		
		Examiner Name	Unknown		
Sheet	Two	of	Two	Attorney Docket Number	1391-44400

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		SPE 38699; "Applications and Derivation of a New Cased-hole Density Porosity in Shaly Sands," R.C. Odom, 1997, Society of Petroleum Engineers, Inc., 17 pages.	
		SPE 56647; "An Investigation of Density Derived from Pulsed Neutron Capture Measurements," C. H. Neuman; 1999, Society of Petroleum Engineers, Inc., 8 pages	
		SPE 64404; "Assessing the Capabilities of a Cased-hole Reservoir Analysis System in the Gulf of Thailand," Richard C. Odom, 2000, Society of Petroleum Engineers, Inc., 10 pages	
		SPE 71042; "Log Examples with a Prototype Three-Detector Pulsed-Neutron System for Measurement of Cased-Hole Neutron and Density Porosities," Richard C. Odom, 2001, Society of Petroleum Engineers, Inc., 10 pages	
		SPE 71742; "Improvements in a Through-Casing Pulsed-Neutron Density Log," Richard C. Odom, 2001, Society of Petroleum Engineers, Inc., 9 pages	
		"Pulsed Neutron Density Measurements: Modeling the Depth of Investigation and Cased-Hole Wellbore Uncertainties," Richard C. Odom, SPWLA 40th Annual Logging Symposium, 1999, 10 pages.	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.  
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